

ABSTRACT

A multi-joint drive mechanism includes a bone-member layer member in which a plurality of bone members
5 are arranged in arrays and in a generally planar fashion,
the plurality of bone members being movably coupled at
coupling portions, and elastically expanding/contracting
members which are arranged so as to stretch over the
coupling portions on one side or both sides of the bone-
10 member layer member and moreover which are fixed between
the plurality of bone members, wherein the multi-joint
drive mechanism drives flexural motions of joints between
the plurality of adjoining bone members by expanding or
contracting the elastically expanding/contracting member.

15